

In the Claims

Claims 1-19. (Canceled)

Claim 20. (Currently Amended) A procedure for hardening at least one surface (S, L) of a wall (W) of a component (T)

- in which the surface to be hardened (S, L) is inductively heated with at least one inductor (2),
- in which, while heating the surface to be hardened (S, L), a liquid is filled into a gap (P) present between the surface to be hardened (S, L) and the inductor (2),
- in which, during the heating of the surfaces (S, L) to be hardened, a liquid jet (KA) emitted from a sprayer (3) is aimed at the side (AS) of the wall (W) lying opposite the side (IS) of the wall (W) provided with the surfaces to be hardened (S, L), and
- in which at least one liquid jet (KI) emitted from an additional sprayer (20) carried by the inductor (2) is aimed at a zone (RZ) of the wall (W) that is adjacent to the surface to be hardened (S, L), and to be precluded from heating by the inductor (2).

Claim 21. (Previously Presented) The procedure according to claim 20, wherein the wall (W) envelops an interior space (I), and that the surface to be hardened (S, L) is arranged on the side (IS) of the wall (W) allocated to the interior space (I).

Claim 22. (Previously Presented) The procedure according to claim 20, wherein the component (T) is shaped as a bowl.

Claim 23. (Previously Presented) The procedure according to claim 20, wherein at least two adjacent surfaces (S, L) angled relative to each other are hardened at the same time.

Claim 24. (Previously Presented) The procedure according to claim 20, wherein the zone (RZ) of the wall (W) precluded from heating is arranged between an edge (R) of the wall (W) and the surface to be hardened (S, L).

Claim 25. (Previously Presented) The procedure according to claim 24, wherein liquid is applied to the edge (R) of the wall (W) while heating the surfaces to be hardened (S, L).

Claim 26. (Currently Amended) The procedure according to claim 20, wherein the component (T) is subjected to upsetting deformation after hardening the surfaces to be hardened (S, L), as a result of which a bead (~~W~~U) is formed in the area of the zone (RZ) precluded from hearing.

Claim 27. (Currently Amended) The procedure according to claim ~~24~~ 26, wherein the bead (~~W~~U) is oriented in the interior space (I).

Claim 28. (Previously Presented) The procedure according to claim 20, wherein the surfaces to be hardened (S, L) are inductively heated at a frequency of up to 80 kHz.

Claim 29. (Previously Presented) A device for executing the procedure according to claim 20, with an inductor (2) for heating the surface to be hardened (S, L), with a liquid feed (12), through which liquid gets into the gap (P) between the inductor (2) and the surface to be hardened (S, L), with a first sprayer (3), which aims at least one

liquid jet (KA) on the side (AS) of the wall (W) lying opposite the side (IS) of the wall (W) provided with the surface to be hardened (S, L), and with at least one additional sprayer (20), which is carried by the inductor (2), and aims a liquid jet (KI) at the zone (RZ) of the wall (W) that is adjacent to the surface to be hardened (S, L) and to be precluded from hardening.

Claim 30. (Previously Presented) The device according to claim 29, wherein the liquid feed is designed as a liquid line (12) arranged in the inductor (2) that ends on one side (13) of the inductor (2).

Claim 31. (Previously Presented) The device according to claim 30, wherein the liquid line (12) runs axially parallel and closely adjacent to the heating resistors (10) of the inductor (2).

Claim 32. (Previously Presented) The device according to claim 29, wherein the inductor (2) exhibits several heating resistors (10) arranged axially parallel to a longitudinal axis (Y).

Claim 33. (Previously Presented) The device according to claim 31, wherein the liquid line (12) is arranged coaxially to the longitudinal axis (Y) of the inductor (2).

Claim 34. (Previously Presented) The device according to claim 31, wherein the liquid line (12) ends on a front side (13) of the inductor (2).

Claim 35. (Previously Presented) The device according to claim 34, wherein a channel (16) is incorporated in the inductor (2) which supplies the sprayer (20) with liquid.

Claim 36. (Previously Presented) The device according to claim 29, wherein an additional sprayer (4) aims a liquid jet (KR) at an edge (R) of the wall (W) provided with the surfaces to be hardened (S, L).

Claim 37. (Previously Presented) The device according to claim 36, wherein the additional sprayer (4) is coupled with the inductor (2).